

5/31/2018

Print

Purchasing Receipts



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Agil Day
PO040015	ACI001-VC	1	1	Net 30	M1018S.188	M1018S.188 : AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W NO SCALE ON SHEET MINIMUM YIELD TENSILE STRENGTH= 28KSI MINIMUM ULTIMATE TENSILE STRENGTH= 42KSI COLD ROLLED				16	5/31/2018	16		S076884	Stock	5/31/2018	\$ 5.73 / sf	
		2			M1018B0.375x0.875	1010-1025 Steel Bar .375 X .875 MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft				12		12		S076885	Stock	5/31/2018	\$ 1.80 / ft	
		3			M5052H32S.063	5052-H32 .063 Sheet : MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209 receive sf				32		32		S076886	Stock	5/31/2018	\$ 5.44 / sf	
		4			M304S18GA	304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240				256		256		S076887	Stock	5/31/2018	\$ 5.79 / sf	
Total:										316		316						

Plex 5/31/2018 2:44 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040015

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO040015

PO Date: 5/25/18

Due Date: 5/31/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAY 25 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: QUOTE NO. SOU0108665

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M1018S.188		M1018S.188 : AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W NO SCALE ON SHEET MINIMUM YIELD TENSILE STRENGTH= 28KSI MINIMUM ULIMATE TENSILE STRENGTH= 42KSI COLD ROLLED	Firmed	5/31/18	16 sf	0 sf	16 sf	\$5.73375/sf	\$91.74
						16			DAS 11 9-89 MAY 31 2018	
2	M1018B0.375x0.875		1010-1025 Steel Bar .375 X .875 : MATERIAL: AISI 1010- 1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft	Firmed	5/31/18	12 ft	0 ft	12 ft	\$1.7958333/ft	\$21.55
						12			DAS 11 9-89 MAY 31 2018	
3	M5052H32S.063		5052-H32 .063 Sheet : MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209 receive sf	Firmed	5/31/18	32 sf	0 sf	32 sf	\$5.4446875/sf	\$174.23
						32			DAS 11 9-89 MAY 31 2018	

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	5/31/18	256 sf	0 sf 256	256 sf	\$5.7949609/sf	\$1,483.51
Grand Total:										\$1,771.03
Order Notes										
<p>Procurement Quality Clauses</p> <p>A005 right of entry</p> <p>A012 chemical and physical test report</p> <p>A016 personnel qualification</p> <p>A017 raw material identification (as applicable)</p> <p>A026 certification of material conformance</p> <p>A041 quality management system</p> <p>A042 dart notification by supplier</p> <p>A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.</p>										

Plex 5/25/18 12:34 PM dart.lavoie.chantal



DELIVERY - CLIENT

CO00091605

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2018/05/25
Delivery date 2018/05/31
Your order N° PO040015
Processed by Eric Kaehlert
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme Net 30 Days
Page 1

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only							
				CMD	EXP	B/O	IN	I	S	C	OUT			
1 PLATE 44W 3/16 RANDOM P44-316-V 4105 1 X 4' X 4' LINE#1 Heat : 4422C4	122.40	16.00	PI2_\$CLB		1X 4x4'		16 12				MAY 3 1 2018			DAS 11 9-89
2 FLAT CR 3/8 X 7/8 1018 (R) FCR-3878 2917 1 X 12' R/L LINE#2 Heat: 009871	13.39	12.00	PI_\$CLB		1X 12		12 12				MAY 3 1 2018			DAS 11 9-89

NIR : R-109516-6

Next Page...



DELIVERY - CLIENT

CO00091605

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2018/05/25
Delivery date **2018/05/31**
Your order N° PO040015
Processed by Eric Kaehlert
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme Net 30 Days
Page 2

Shipped to

Billed to
DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB		Internal Use Only					
				CMD	EXP	B/O	IN	I	S	C	OUT
3 ALU SHEET .064 (14G) 5052-H32 RANDOM FEAL-0645052-V 3176 1 X 4' X 8' PVC 1 SIDE LINE#3 AC16719-YT-2018-05-29 Heat : 5180160021	28.83	32.00	PI2_\$CLB		14' 4'x8		① 32 P12			MAY 31 2018 DAS 11 9-89	
4 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 8 PCS 4' X 8' LINE#4 Heat : 659V Palette 4'x8	537.60	256.00	PI2_\$CLB		8'x 4'x8 skid		③ 256 P12			MAY 31 2018 DAS 11 9-89	

NIR : R-109516-6

Next Page...



DELIVERY - CLIENT

CO00091605

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

2018/05/31

2018/05/31

PO040015

Eric Kaehlert

Salesman

OUELLETTE VALLEYFIELD

Net 30 Days

Page 3

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
PALLET EMB 11	1.00	UN								

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 702.22

NIR : R-109516-6

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Date

Total (\$CAD)



ESSAR STEEL ALGOMA INC., 105 West Street, Sault Ste. Marie, Ontario, Canada P6A 7B4

SO No./Item & Date:	8047540 000040 2016/12/17	Shipment No. & Date:	1200007761 2016/12/17	TC No., Date & Time:	ESA-365217 2016/12/18 - 01:40:59
Sold to Customer Name and Address:	LES ACIER TRANSBEC (1997) LTEE BOUL LE CORBUSIER #201-4054 LAVAL, Quebec, Canada H7L 5R2	Ship to Customer Name and Address:	LES ACIER TRANSBEC (1997) LTEE RUE JEAN COUTU 350 VARENNES, Quebec, Canada J3X 1P7	Customer PO NO./Item:	G-46211 / 4 1200007761
Customer Specification:	HR STEEL SHEET HSLA SQ / SS To the Chemistry of Multi Cert CSA G40.21 50W (2013) / CSA G40.21 44W (2013) Top Semi Critical Surface Improved Shape Gauge type NOM - 0.0035" +/- 0.0035			BOL NO.:	1200007761
				Cust. Part No.:	C P RAIL (CAD FUNDS) - NDYX 381285

Supplementary Instructions:	Test Cert 1: mlr@coilex.ca Test Cert 2: nathalie.legault@aciertransbec.com
Insp TIR:	Test Report For Info Only
ESSAR STEEL ALGOMA INC. HEREBY CERTIFIES THAT THE MATERIAL HEREIN DESCRIBED WAS MADE AND TESTED IN ACCORDANCE WITH THE RULES OF THE SPECIFICATION SHOWN. ALL RESULTS ARE RETAINED IN ACCORDANCE WITH THE COMPANY'S STANDARD RECORD KEEPING PRACTICES. THIS WILL TEST REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF ESSAR STEEL ALGOMA INC. IF YOU RECEIVE THIS DOCUMENT AND ARE NOT THE INTENDED RECEIVER, PLEASE CALL (705) 945-4095 FOR INSTRUCTIONS ON METHOD OF DISPOSAL OF DOCUMENT. THIS TEST REPORT HAS BEEN GENERATED BY A COMPUTERIZED SYSTEM AND IS VALID WITHOUT A PHYSICAL SIGNATURE.	
MEETS EN 10204 3.1	
ISO QUALITY AND ENVIRONMENTAL CERTIFICATES AVAILABLE AT WWW.ESSARSTEELALGOMA.COM	

ALL HEATS FULLY KILLED.
HEATS INDICATED WITH (*) FINE GRAINED.
HEATS INDICATED WITH (+) Made in Canada for NAFTA duty preference and NAFTA marking purposes

Dimensions (T x W x L)	Batch No.	Heat No.-MS	Quantity	No. of Pcs	Dimensions (T x W x L)	Batch No.	Heat No.-MS	Quantity	No. of Pcs
0.1800" x 48.001"	HBK8149	4421C4-56	43,419 LB	1	0.1800" x 48.001"	HBK8148	4421C4-06	43,607 LB	1
0.1800" x 48.001"	HBK8153	4422C4-52	43,364 LB	1	0.1800" x 48.001"	HBK8152	4422C4-02	43,508 LB	1
CHEMICAL PROPERTIES									
Heat No. (wt%)	C	Mn	P	S	Si	Cr	Ni	Cu	Nb
4421C4*	0.18	0.87	0.016	0.006	0.020	0.020	0.01	0.03	0.017
4422C4*	0.18	0.85	0.016	0.004	0.030	0.03	0.02	0.04	0.015

HBK 8149 - Majean
HBK 8148 - Picard
HBK 8153 - Campi
HBK 8152 - Campi

****WARNING**** THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION INDICATED. THE RESULTS OR VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE (INCLUDING DESIGN OR CALCULATIONS) AS REPRESENTING THE ACTUAL STRENGTH OF SUCH STEEL.

KASHIF REHMAN
MANAGER METALLURGICAL SERVICES



ESSAR STEEL ALGOMA INC., 105 West Street, Sault Ste. Marie, Ontario, Canada P6A 7B4

SO No., Item & Date: 8047540 000040 2016/12/17		Shipment No. & Date: 1200007761 2016/12/17		TC No., Date & Time: ESA-365217 2016/12/18 - 01:40:59								
Sold to Customer Name and Address: LES ACIER TRANSBEC (1997) LTEE BOUL LE CORBUSIER #201-4054 LAVAL, Quebec, Canada H7L 5R2		Ship to Customer Name and Address: LES ACIER TRANSBEC (1997) LTEE RUE JEAN COUTU 350 VARENNES, Quebec, Canada J3X 1P7		Customer PO No./Item: G-46211 / 4 BOL NO.: 1200007761 Cust.Part No.: Carrier: C P RAIL (CAD FUNDS) - NDYX 361285								
Customer Specification: HR STEEL SHEET HSLA SQ / SS To the Chemistry of Multi Cert CSA G40.21 50W (2013) / CSA G40.21 44W (2013) Top Semi Critical Surface Improved Shape Gauge type NOM - 0.0035" +/- 0.0035"												
Supplementary Instructions: Test Cert 1: mtr@collex.ca Test Cert 2: nathalie.legault@aciertransbec.com												
Insap TIR: Test Report For Info Only			Cust Use: STRUCTURAL									
ESSAR STEEL ALGOMA INC. HEREBY CERTIFIES THAT THE MATERIAL HEREIN DESCRIBED WAS MADE AND TESTED IN ACCORDANCE WITH THE RULES OF THE SPECIFICATION SHOWN. ALL RESULTS ARE RETAINED IN ACCORDANCE WITH THE COMPANY'S STANDARD RECORD KEEPING PRACTICES. THIS WILL TEST REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF ESSAR STEEL ALGOMA INC. IF YOU RECEIVE THIS DOCUMENT AND ARE NOT THE INTENDED RECEIVER, PLEASE CALL (708)945-4066 FOR INSTRUCTIONS ON METHOD OF DISPOSAL OF DOCUMENT. THIS TEST REPORT HAS BEEN GENERATED BY A COMPUTERIZED SYSTEM AND IS VALID WITHOUT A PHYSICAL SIGNATURE.												
MEETS EN 10204 3.1 ISO QUALITY AND ENVIRONMENTAL CERTIFICATES AVAILABLE AT WWW.ESSARSTEELALGOMA.COM												
***** MECHANICAL PROPERTIES *****												
Tensile Tests												
Heat No.	Batch No.	SRCE	LAB	GAUGE	COND	METH	DIR	LOC	YIELD(KSI)	TENSILE(KSI)	EL SCALE	ELONG(%)
4421C4		DSPC	ALG	0.1800	AR	.2	T	F	59.0	72.0	2"	30
4422C4		DSPC	ALG	0.1800	AR	.2	T	F	57.0	73.0	2"	30

2/2

KASHIF REHMAN
MANAGER METALLURGICAL SERVICES

****WARNING**** THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION INDICATED. THE RESULTS OR VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE INCLUDING DESIGN OR CALCULATIONS AS REPRESENTING THE ACTUAL STRENGTH OF SUCH STEEL.

Nr. RIF003978

QUALITY CERTIFICATE acc. to EN 10204-3.1

Customer

S.G. Ericsson & Co., Inc.
275 Joliet Street, Suite 350
- Dyer, IN 46311

Order nr.

B90535 Bothwell

Date

17/07/2015

Note nr

025674

Weight

Kgs. 2.214

Lbs. 4.881

Dimensions

22,225 x 9,525 x 3660 V AISI 1018
3/8 x 7/8 x V AISI 1018

OF

088078

Quality

AISI 1018

Heat nr.

009871

Chemical Analysis

C	0,162
Mn	0,719
Si	0,234
P	0,013
S	0,030

Mechanical Properties

Tensile Strenght (N/mm2)	819
HRB Hardness	99

Remarks

MELT IN SPAIN
Acc. to ASTM A108 and A29 latest editions

Quality Dept.

A. Gisbert

Tremefil-Izaguirre S.A.

Dpto. Calidad

TREMEFIL-IZAGUIRRE S.A. - Zelai-Aundi 2 / Apartado 10 - E-20170 Usurbil - Spain

Teléfono +34 943 36 64 00 . Fax +34 943 36 23 54 E-mail: info@tremefil-izaguirre.com

Inscrita en el Registro Mercantil de Guipúzcoa con fecha 25.11.75, Libro de Sociedades, Tomo 285, Folio 153 Hoja 5.356, Inscripción 1ª
N.I.F. A20043311



3425

FESS-18G483042B

50898

15908



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 369366 1 Mail To: Ship To: Date: 1/10/2018 Page: 1
Customer: 007036 021 Steel: 304
Finish: 2B
Corrosion: ASTM A262/15 A, 180Bend-OK

Your Order: 4500847579 NAS Order: DS 0013268 01

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400
ASTM A240/16a, A480/16b, A666/15, ASME SA240/17, SA480/17, SA666/17
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5513J XTRK; MIL-8-5059D AMEND3 (X CROWN MEAS)
NACE MR0175/ISO 15156-3:2009 A, MR0103/07/QQ8766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
02659V B	02659V B		.0480	48.0000	18,930	COIL	1	1	160009450

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
659V	US	.0410	18.0880	.4255	1.6655	.3405	.0624	8.0185	.0320	.0010
SI %										
.2520										

MECHANICAL PROPERTIES

Product Id#	Coil #	UTS	20C	.2% YS	20C ELONG	% Hard	Tail
		KSI	KSI	KSI	%-2"	RB	Hard
02659V B	02659V B	F T	99.71	47.78	54.42	84.00	84.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

1/10/2018



ZHE JIANG GKO ALUMINIUM STOCK CO., LTD.

XIATAO, FENGJIANG, LUQIAO, TAIZHOU, ZHEJIANG, CHINA

TEL.: +86 576 82696583 FAX.: +86 576 82696589

MILL TEST REPORT

BUYER: EMPIRE RESOURCES, INC. 2115 LINWOOD AVENUE FORT LEE, NJ 07024	Date: 2018-3-20 Invoice: CI01527-1 Contract No.: U01527 Loading Port: Tianjin, China COUNTRY OF MELT & MANUFACTURE: CHINA
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MATERIAL GRADE: 5052H32 AS PER "ASTM B209-14" AMS/ QQ A 250/8 AND AMS 4016M

Destination: TORONTO

B/L NO.: MABU964234588

ISF NO.:

ETD: 2018-3-17

EID:2018-3-17						Chemical Composition(%)										Mechanical Properties				
No.	PO NO.	DESCRIP TION OF GOODS:	ALLOY/T EMPER.	Specification (inch)	Bundle No.	N.W. (lbs)	HEAT NO.	Al	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	T.S. (ksi)	Yield.S. (ksi)	E(%)
1	U01527	SHEET	5052H32	0.05*48*96	5180160140-3	3272	5180160140	96.89	0.094	0.302	0.007	0.055	2.430	0.199	0.004	0.006	0.014	33.4	24.5	12.0
2	U01527	SHEET	5052H32	0.05*48*96	5180160140-2	3488	5180160140	96.89	0.094	0.302	0.007	0.055	2.430	0.199	0.004	0.006	0.014	33.4	24.5	12.0
3	U01527	SHEET	5052H32	0.05*48*96	5180160140-1	3492	5180160140	96.89	0.094	0.302	0.007	0.055	2.430	0.199	0.004	0.006	0.014	33.4	24.5	12.0
4	U01527	SHEET	5052H32	0.063*48*96	5180160021-4	3770	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0
5	U01527	SHEET	5052H32	0.063*48*96	5180160021-5	3770	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0
6	U01527	SHEET	5052H32	0.063*48*96	5180160021-3	3774	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0
7	U01527	SHEET	5052H32	0.063*48*96	5180160021-7	3774	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0
8	U01527	SHEET	5052H32	0.063*48*96	5180160021-6	3783	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0
9	U01527	SHEET	5052H32	0.063*48*120	5180160153-1	3430	5180160153	96.88	0.106	0.313	0.007	0.061	2.410	0.192	0.005	0.008	0.015	33.4	29.0	13.0
10	U01527	SHEET	5052H32	0.063*48*120	5180160153-3	3435	5180160153	96.88	0.106	0.313	0.007	0.061	2.410	0.192	0.005	0.008	0.015	33.4	29.0	13.0
11	U01527	SHEET	5052H32	0.063*48*120	5180160153-2	3457	5180160153	96.88	0.106	0.313	0.007	0.061	2.410	0.192	0.005	0.008	0.015	33.4	29.0	13.0
12	U01527	SHEET	5052H32	0.08*48*96	5180160148-7	3272	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0
13	U01527	SHEET	5052H32	0.08*48*96	5180160148-6	3280	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0
14	U01527	SHEET	5052H32	0.08*48*96	5180160148-4	3289	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0
15	U01527	SHEET	5052H32	0.08*48*96	5180160148-5	3298	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0

16	U01527	SHEET	5052H32	0.09*48*96	5180160100-C-1	2734	5180160100	96.81	0.103	0.311	0.012	0.085	2.450	0.204	0.005	0.006	0.016	31.9	29.0	11.0
17	U01527	SHEET	5052H32	0.09*48*96	5180160100-C-2	2738	5180160100	96.81	0.103	0.311	0.012	0.085	2.450	0.204	0.005	0.006	0.016	31.9	29.0	11.0
18	U01527	SHEET	5052H32	0.09*48*96	5180160100-C-3	3320	5180160100	96.81	0.103	0.311	0.012	0.085	2.450	0.204	0.005	0.006	0.016	31.9	29.0	11.0
19	U01527	SHEET	5052H32	0.09*48*120	5180160158-4	3404	5180160158	96.89	0.109	0.306	0.008	0.063	2.410	0.196	0.005	0.008	0.010	33.4	29.0	12.0
20	U01527	SHEET	5052H32	0.09*48*120	5180160158-6	3404	5180160158	96.89	0.109	0.306	0.008	0.063	2.410	0.196	0.005	0.008	0.010	33.4	29.0	12.0
21	U01527	SHEET	5052H32	0.09*48*120	5180160158-5	3408	5180160158	96.89	0.109	0.306	0.008	0.063	2.410	0.196	0.005	0.008	0.010	33.4	29.0	12.0

ZHEJIANG GKO ALUMINIUM STOCK CO., LTD.

浙江巨科铝业股份有限公司
ZHEJIANG GKO ALUMINIUM STOCK CO., LTD.





ZHE JIANG GKO ALUMINIUM STOCK CO., LTD.

XIATAO, FENGJIANG, LUQIAO, TAIZHOU, ZHEJIANG, CHINA

TEL: +86 576 82696583 FAX: +86 576 82696589

MILL TEST REPORT

BUYER: EMPIRE RESOURCES, INC. 2115 LINWOOD AVENUE FORT LEE, NJ 07024	Date: 2018-3-20
	Invoice: CI01527-1
	Contract No.: U01527
	Loading Port: Tianjin, China
	COUNTRY OF MELT & MANUFACTURE: CHINA

MATERIAL GRADE: 5052H32 AS PER "ASTM B209-14" - AMS/ QQ A 250/8 AND AMS 4016M

Destination: TORONTO

B/L NO.: MAEU964234588

ISF NO.:

BTD-2018-3-17

No.			DESCRIP- TION OF GOODS:	ALLOY/T EMPER.	Specification (inch)	Bundle No.	N.W.		HEAT NO.	Chemical Composition(%)								Mechanical Properties			
PO NO.							(lbs)	Al		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	T.S. (ksi)	Yield.S. (ksi)	E(%)
1	U01527	SHEET	5052H32	0.05*48*96	5180160140-3	3272	5180160140	96.89	0.094	0.302	0.007	0.055	2.430	0.199	0.004	0.006	0.014	33.4	24.5	12.0	
2	U01527	SHEET	5052H32	0.05*48*96	5180160140-2	3488	5180160140	96.89	0.094	0.302	0.007	0.055	2.430	0.199	0.004	0.006	0.014	33.4	24.5	12.0	
3	U01527	SHEET	5052H32	0.05*48*96	5180160140-1	3492	5180160140	96.89	0.094	0.302	0.007	0.055	2.430	0.199	0.004	0.006	0.014	33.4	24.5	12.0	
4	U01527	SHEET	5052H32	0.063*48*96	5180160021-4	3770	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0	
5	U01527	SHEET	5052H32	0.063*48*96	5180160021-5	3770	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0	
6	U01527	SHEET	5052H32	0.063*48*96	5180160021-3	3774	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0	
7	U01527	SHEET	5052H32	0.063*48*96	5180160021-7	3774	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0	
8	U01527	SHEET	5052H32	0.063*48*96	5180160021-6	3783	5180160021	96.92	0.099	0.299	0.004	0.013	2.440	0.200	0.004	0.006	0.012	34.1	24.9	11.0	
9	U01527	SHEET	5052H32	0.063*48*120	5180160153-1	3430	5180160153	96.88	0.106	0.313	0.007	0.061	2.410	0.192	0.005	0.008	0.015	33.4	29.0	13.0	
10	U01527	SHEET	5052H32	0.063*48*120	5180160153-3	3435	5180160153	96.88	0.106	0.313	0.007	0.061	2.410	0.192	0.005	0.008	0.015	33.4	29.0	13.0	
11	U01527	SHEET	5052H32	0.063*48*120	5180160153-2	3457	5180160153	96.88	0.106	0.313	0.007	0.061	2.410	0.192	0.005	0.008	0.015	33.4	29.0	13.0	
12	U01527	SHEET	5052H32	0.08*48*96	5180160148-7	3272	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0	
13	U01527	SHEET	5052H32	0.08*48*96	5180160148-6	3280	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0	
14	U01527	SHEET	5052H32	0.08*48*96	5180160148-4	3289	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0	
15	U01527	SHEET	5052H32	0.08*48*96	5180160148-5	3298	5180160148	96.95	0.089	0.263	0.009	0.054	2.390	0.215	0.004	0.007	0.015	32.6	29.0	14.0	

16	U01527	SHEET	5052H32	0.09*48*96	5180160100-C-1	2734	5180160100	96.81	0.103	0.311	0.012	0.085	2.450	0.204	0.005	0.006	0.016	31.9	29.0	11.0
17	U01527	SHEET	5052H32	0.09*48*96	5180160100-C-2	2738	5180160100	96.81	0.103	0.311	0.012	0.085	2.450	0.204	0.005	0.006	0.016	31.9	29.0	11.0
18	U01527	SHEET	5052H32	0.09*48*96	5180160100-C-3	3320	5180160100	96.81	0.103	0.311	0.012	0.085	2.450	0.204	0.005	0.006	0.016	31.9	29.0	11.0
19	U01527	SHEET	5052H32	0.09*48*120	5180160158-4	3404	5180160158	96.89	0.109	0.306	0.008	0.063	2.410	0.196	0.005	0.008	0.010	33.4	29.0	12.0
20	U01527	SHEET	5052H32	0.09*48*120	5180160158-6	3404	5180160158	96.89	0.109	0.306	0.008	0.063	2.410	0.196	0.005	0.008	0.010	33.4	29.0	12.0
21	U01527	SHEET	5052H32	0.09*48*120	5180160158-5	3408	5180160158	96.89	0.109	0.306	0.008	0.063	2.410	0.196	0.005	0.008	0.010	33.4	29.0	12.0

ZHEJIANG GKO ALUMINIUM STOCK CO., LTD.

浙江巨科铝业股份有限公司
ZHEJIANG GKO ALUMINIUM STOCK CO., LTD.



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3045186A
 DATE: MAY 31 2018

PO / BATCH NO.: 04005/5076887

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 256 P12
 QUANTITY INSPECTED: 256 P12
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 18GA
 THICKNESS RECEIVED: 18GA
 SHEET SIZE ORDERED: 3X8
 SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	<u>Aston A240</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	<u>Heat # 659V</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>11 MAY 31 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:
MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

FINISH:

FINISH
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 3
UNPOLISHED No. 4
POLISHED No. 6
BUFFED No. 7
BUFFED No. 8

DART M-NUMBER
IDENTIFIER
1P
2D
3P
4P
6P
7P
8P

PART NUMBER: M304S TT GA #P
GA

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED
2015 FEB 04
ECN 15-122 q

D	ADDED GAUGES 0.7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	M304S
TITLE	304/316 SS SHEET
SHEET 1 OF 1	SCALE
REV. D	NTS

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M5052H325.063
 DATE: MAY 31 2018

PO / BATCH NO.: C240015 / 5076886

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 32^{PI}
 QUANTITY INSPECTED: 32^{PI}
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063
 THICKNESS RECEIVED: .063
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	QQ-A-250/8
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	Heat # 5180160021
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9 MAY 31 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 5052-H32 ALUMINUM SHEET

SPECIFICATION:

QQ-A-250/8 OR AMS-QQ-A-250/8
OR AMS 4016
OR ASTM B209

PART NUMBER:

M5052H32S XXX
THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M5052H32.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT

RELEASED
R 2009-10-30
MP

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1), PAR 08-020A	CP	09-09-26
A	NEW ISSUE	DS	01-06-08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.09.26		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M5052H32S			
TITLE 5052-H32 SHEET SPEC			
REV. B SHEET 1 OF 1			
SCALE NTS			
DATE 09.09.26			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M10185.188
 DATE: MAY 31 2018

PO / BATCH NO.: 040015/5026884

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 16 p12
 QUANTITY INSPECTED: 16 p12
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .188
 THICKNESS RECEIVED: .188
 SHEET SIZE ORDERED: 4x4
 SHEET SIZE RECEIVED: 4x4

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	640-21
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	Heat # 4422C4
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89</u> <u>MAY 31 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. M1010-S	REV. A SHEET <u>L</u> OF <u>L</u>
DATE 01.06.13		TITLE 1010-1025 SHEET	SCALE NTS
A	01.06.13	NEW ISSUE	
A1	04.03.09 <i>[Signature]</i>	ADD ASTM A1008 AND COLD ROLLED	

PURCHASE MATERIAL:

[Handwritten signature]
ATSI 1010-1025 OR ASTM A36 / A366 / A1008
OR CSA G40-21 38W / 44W / 50W / 60W / 70W
MINIMUM YIELD TENSILE STRENGTH = 28 KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 42 KSI
COLD ROLLED

PART NUMBER:

M1010-S | TT | GA WHERE TT = GAUGE THICKNESS
GA
EG. 16 GAUGE STEEL = M1010-S16GA

RELEASED
01-06-15 *[Signature]*

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M101860.375x0.815
 DATE: MAY 3 1 2018

PO / BATCH NO.: 040015 / 5076885

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
 THICKNESS RECEIVED: 0.375
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	Heat # 009871
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 MAY 3 1 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DART

DESIGN 	DRAWN BY 	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. M1010-B	REV. A SHEET 1 OF 1
DATE 01.12.06		TITLE AISI 1010-1025 BAR	SCALE NTS
A	01.12.06	NEW ISSUE	

PURCHASE MATERIAL: AISI 1010-1025 OR ASTM A36 / A366 / A569 / A570
OR CSA G40-21, 38W / 44W / 50W / 60W / 70W

PART NUMBER: M1010-B | T.TTT | x | WW.WWW | WHERE T.TTT = THICKNESS (IN INCHES)
THICK WIDTH WW.WWW = WIDTH (IN INCHES)

EG. 0.75" x 2.50" BAR = M1010-B0.750 x 02.500

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